

**FEDERAL ITEM IDENTIFICATION GUIDE**  
**MONITORING UNIT,BRAKE TEMPERATURE**  
**ITEM NAME CODE**  
**68357**



Commander  
Defense Logistics Information Service  
ATTN: DLIS-K  
74 Washington Avenue North, Suite 7  
Battle Creek, Michigan 49037-3084  
(COMM) (269) 961-5779  
(DSN) 661-5779

This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

## Table of Contents

SECTION I .....	3
Reply Tables .....	11
Reference Drawing Groups.....	15
FIIG Change List .....	16

## SECTION I

MRC	Mode Code	Requirements						
NAME	D	ITEM NAME						
		Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.						
		Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED68357*)						
AFGA	J	OPERATING TEMP RANGE						
		Definition: THE MINIMUM AND MAXIMUM LIMITS OF TEMPERATURE AT WHICH THE ITEM IS RATED FOR OPERATION.						
		Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede negative values with an M, and positive values with a P. (e.g., AFGAJCM55.0/P125.0*)						
		<table><tr><td><u>REPLY CODE</u></td><td><u>REPLY (AB36)</u></td></tr><tr><td>C</td><td>DEG CELSIUS</td></tr><tr><td>F</td><td>DEG FAHRENHEIT</td></tr></table>	<u>REPLY CODE</u>	<u>REPLY (AB36)</u>	C	DEG CELSIUS	F	DEG FAHRENHEIT
<u>REPLY CODE</u>	<u>REPLY (AB36)</u>							
C	DEG CELSIUS							
F	DEG FAHRENHEIT							
AXQK	D	OUTPUT INTELLIGENCE TYPE						
		Definition: INDICATES THE TYPE OF INTELLIGENCE THE ITEM IS CAPABLE OF TRANSMITTING.						
		Reply Instructions: Enter the applicable Reply Code from <a href="#">Appendix A</a> , Table 1 (e.g., AXQKDABH*; AXQKDABG\$\$DAJY*)						
CQXF	D	INCLOSURE PROTECTION TYPE FOR WHICH DESIGNED						
		Definition: INDICATES THE TYPE OF PROTECTION FOR WHICH THE INCLOSURE IS DESIGNED.						
		Reply Instructions: Enter the applicable Reply Code from <a href="#">Appendix A</a> , Table 2 (e.g., CQXFDABD*; CQXFDABD\$\$DABP*)						
ABHP*	J	OVERALL LENGTH						

MRC      Mode Code      Requirements

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL  
AXIS WITH TERMINATED POINTS AT EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below,  
followed by the numeric value. (e.g., ABHPJAA8.000\*; ABHPJLA25.4\*;  
ABHPJAB7.750\$\$JAC8.250\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ADAV \*    J                      OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS  
A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below,  
followed by the numeric value. (e.g., ADAVJAA2.400\*; ADAVJLA25.4\*;  
ADAVJAB2.400\$\$JAC2.500\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

REPLY (AC20)

NOMINAL

MINIMUM

FIIG A545R  
INC 68357  
SECTION I

MRC	Mode Code	Requirements
	C	MAXIMUM

ABMK \* J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500\*; ABMKJLA25.4\*; ABMKJAB2.400\$\$JAC2.500\*)

Table 1

REPLY CODE

A  
L

REPLY (AA05)

INCHES  
MILLIMETERS

Table 2

REPLY CODE

A  
B  
C

REPLY (AC20)

NOMINAL  
MINIMUM  
MAXIMUM

ABKW \* J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRIAGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500\*; ABMKJLA25.4\*; ABMKJAB2.400\$\$JAC2.500\*)

Table 1

REPLY CODE

A  
L

REPLY (AA05)

INCHES  
MILLIMETERS

Table 2

REPLY CODE

A  
B  
C

REPLY (AC20)

NOMINAL  
MINIMUM  
MAXIMUM

ACDC\* D CURRENT TYPE

FIIG A545R  
INC 68357  
SECTION I

MRC      Mode Code      Requirements

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB\*)

<u>REPLY CODE</u>	<u>REPLY (AB62)</u>
B	AC
D	AC/DC
C	DC

AMSE\*      J                      VOLTAGE RATING

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA12.0\*; AMSEJVB115.0\$\$JVC125.0\*)

<u>Table 1</u> <u>REPLY CODE</u>	<u>REPLY (AB63)</u>
K	KILOVOLTS
V	VOLTS

<u>Table 2</u> <u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AFRA\*      A                      CONTACT QUANTITY

Definition: THE NUMBER OF CONTACTS WHICH PROVIDE ELECTRICAL CONNECTION.

Reply Instructions: Enter the quantity. (e.g., AFRAA2\*)

AKSF\*      D                      CONTACT TYPE

Definition: INDICATES THE TYPE OF CONTACT(S) INCLUDED ON THE ITEM.

FIIG A545R  
INC 68357  
SECTION I

MRC      Mode Code      Requirements

---

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKSFDBK\*; AKSFDBK\$\$DBW\*)

<u>REPLY CODE</u>	<u>REPLY (AG81)</u>
DH	BANANA
BB	CONNECTOR PLUG
BC	CONNECTOR RECEPTACLE
CM	INTERNAL THREAD
BG	PIN
BJ	QUICK DISCONNECT
BK	SCREW
BL	SNAP TERMINAL
BN	SOLDER
BP	SOLDER LUB
BQ	SOLDER STUD
BS	THREADED STUD
BW	WIRE LEAD

ASSB\*      A              MECHANICAL CONNECTION QUANTITY

Definition: THE NUMBER OF MECHANICAL CONNECTIONS PROVIDED.

Reply Instructions: Enter the quantity (e.g., ASSBA2\*)

ASSC\*      G              MECHANICAL CONNECTION SIZE

Definition: DESIGNATES THE THREAD SIZE, DIAMETER, OR THE LIKE, OF THE MECHANICAL CONNECTION.

Reply Instructions: Enter the applicable reply in clear text. (e.g., ASSCG3/8IN. DIA; 1/4 IN. DIA\*)

FEAT \*      G              SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. (e.g., FEATGQUALITY CONTROLLED\*)

ZZZK \*      J              SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.



FIIG A545R  
INC 68357  
SECTION I

MRC      Mode Code      Requirements

---

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.(e.g., ZZZKJT81337-30642B\*; ZZZKJS81349-MIL-D-180 REV1/CANCELED/\*; ZZZKJP80205-NAS1103\*; ZZZKJS81349-MIL-C-1140C/CE/\*; ZZZKJT81337-30642B\$\$JP80205-NAS1103\*)

<u>REPLY CODE</u>	<u>REPLY (AN62)</u>
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

ZZZT \*      J      NONDEFINITIVE SPEC/STD DATA

NOTE: If the specification/standard cited in reply to MRC ZZZK is nondefinitive, reply to MRC ZZZT. This reply is the data which is not recorded in Segment C.

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1\*; ZZZTJTY1\$\$JSTA\*; ZZZTJTY1\$JSTA\*)

PRPY \*      A      PROPRIETARY CHARACTERISTICS

NOTE: If Document Availability Code B, D, F, or H, reply to MRC PRPY.

MRC	Mode Code	Requirements
		<p>Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.</p> <p>Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAAKJA\$\$ACSGS*)</p>
ZZZY *	G	<p>REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS</p> <p>Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)</p>
ELRN *	G	<p>EXTRA LONG REFERENCE NUMBER</p> <p>Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.</p> <p>Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).</p> <p>If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&amp;" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 &amp; S1234 NN112036BIL060557LEN313605UZ62365).</p> <p>In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.</p>
CLQL *	G	<p>COLLOQUIAL NAME</p> <p>Definition: A COMMON USAGE NAME BY WHICH AN ITEM IS KNOWN.</p>

FIIG A545R  
INC 68357  
SECTION I

MRC	Mode Code	Requirements
		Reply Instructions: Enter the reply in clear text. (e.g., CLQLGWOVEN WIRE CLOTH*)
CRTL*	A	CRITICALITY CODE JUSTIFICATION
		Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
		Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAACKJA*; CRTLAACKJA\$\$ACSGS*). Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
AGAV *	G	END ITEM IDENTIFICATION
		Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.
		Reply Instructions: Enter the applicable reply in clear text. (e.g., AGAVG3930-00-000-0000*; AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)
CXCY *	G	PART NAME ASSIGNED BY CONTROLLING AGENCY
		Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.
		Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

**Reply Tables**

Table 1 - INTELLIGENCE DATA ..... 12

Table 2 - INCLOSURE PROTECTION TYPES..... 12

Table 3 - NONDEFINITIVE SPEC/STD DATA..... 13

Table 1 - INTELLIGENCE DATA  
INTELLIGENCE DATA

<u>REPLY CODE</u>	<u>REPLY (AJ41)</u>
AQN	ANALOG (general data)
AQP	DIGITAL (general data)

Table 2 - INCLOSURE PROTECTION TYPES  
INCLOSURE PROTECTION TYPES

<u>REPLY CODE</u>	<u>REPLY (AP30)</u>
AAX	ARC RESISTANT
AAZ	COMBUSTION PROOF
AAZ	CORROSION RESISTANT
ABA	DRIPPROOF
ABC	DUSTPROOF
ABC	DUSTTIGHT
ABD	EXPLOSION PROOF
ABE	EXPLOSION RESISTANT
ABF	FLAME RESISTANT
ABG	FUNGUS PROOF
ABH	FUNGUS RESISTANT
ABJ	GENERAL PURPOSE
ABK	HERMETICALLY SEALED
ABL	HUMIDITY PROOF
ABM	HUMIDITY RESISTANT
ABP	MOISTURE PROOF
ABN	MOISTURE RESISTANT
AAQ	OIL RESISTANT
ABQ	OILTIGHT
ABR	RAINTIGHT
ABS	SALT SPRAY PROOF
ABT	SALT WATER RESISTANT
ABX	SAND RESISTANT
ABW	SANDTIGHT
ABZ	SHOCK RESISTANT
ABY	SHOCKPROOF
ACA	SPLASHPROOF
ACB	TAMPER PROOF
ACC	VAPORTIGHT
ACE	VIBRATION RESISTANT
ACD	VIBRATIONPROOF
ACF	WATER RESISTANT
AAS	WATERPROOF
ACG	WATERTIGHT
ACH	WEATHERPROOF

Table 3 - NONDEFINITIVE SPEC/STD DATA  
NONDEFINITIVE SPEC/STD DATA

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

## Reference Drawing Groups

**No table of contents entries found.**



## **FIIG Change List**

FIIG Change List, Effective March 5, 2010

New FIIG